\_\_\_\_\_\_

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=25; hr=17; min=43; sec=12; ms=958; ]

## 

Reviewer Comments:

SEQUENCE LISTING

<110> SHINTANI et al.

<120> MEDICINAL USE OF MIP-3a INHIBITOR AND METHOD OF SCREENING BRAIN/NERVE CELL PROTECTIVE AGENT

The above 120> response exceeds the Sequence Rules' required 72character limit per line (this includes white spaces). Please insert a
hard return after "SCRENING."

<210> 5 <211> 291

<211> 291

<213> Mus musculus

<220>

<221> CDS

<222> (1)..(291) <223>

....

<220>

<221> sig\_peptide

<222> (1)..(81)

<223>

<220>

<221> mat\_peptide

<222> (82)..()

Met

<400> 5 atq qcc tqc qqt qqc aaq cqt ctq ctc ttc ctt qct ttq qca tqq qta 48 Met Ala Cvs Glv Glv Lvs Arg Leu Leu Phe Leu Ala Leu Ala Trp Val -25 -20 -15ctg ctg gct cac ctc tgc agc cag gca gaa gca gca agc aac tac gac 96 Leu Leu Ala His Leu Cys Ser Gln Ala Glu Ala Ala Ser Asn Tyr Asp -10 -5 -1 1 tgt tgc ctc tcg tac ata cag acg cct ctt cct tcc aga gct att gtg 144 Cys Cys Leu Ser Tyr Ile Gln Thr Pro Leu Pro Ser Arg Ala Ile Val 15 20 got ttc aca aga cag atg gcc gat gaa gct tgt gac att aat gct atc 192 Gly Phe Thr Arq Gln Met Ala Asp Glu Ala Cys Asp Ile Asn Ala Ile 30 atc ttt cac acg aag aaa aga aaa tct gtg tgc gct gat cca aag cag 240 Ile Phe His Thr Lys Lys Arq Lys Ser Val Cys Ala Asp Pro Lys Gln 45 50 aac too oto aaa ago oct oto aac ctc ctc ago cta aga otc aag aag Asn Trp Val Lvs Arg Ala Val Asn Leu Leu Ser Leu Arg Val Lvs Lvs 55 291 atα

70 In the above last line, "70" is not properly aligned under "Met," the last amino acid. Same type of error in Sequence 7.

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No:

Error code

W 112

10547532

Version No:

n No:

2.0

Input Set:

Output Set:

Started: 2008-01-17 13:20:25.407

Finished: 2008-01-17 13:20:35.219

Elapsed: 0 hr(s) 0 min(s) 9 sec(s) 812 ms

Total Warnings: 17
Total Errors: 25
No. of SeqIDs Defined: 21
Actual SeqID Count: 21

Error Description

E	201	Mandatory field data missing in <223> in SEQ ID (1)
Ε	201	Mandatory field data missing in <223> in SEQ ID (1)
E	201	Mandatory field data missing in <223> in SEQ ID (1)
E	201	Mandatory field data missing in <223> in SEQ ID (3)
Ε	201	Mandatory field data missing in <223> in SEQ ID (3)
Ε	201	Mandatory field data missing in <223> in SEQ ID (3)
Ε	201	Mandatory field data missing in <223> in SEQ ID (5)
Е	201	Mandatory field data missing in <223> in SEQ ID (5)
Ε	201	Mandatory field data missing in <223> in SEQ ID (5)
W	112	Upper case found in data; Found at position(291) SeqId(5)
Ε	259	Found undefined lettercode; POS (293) SEQID(5)
E	254	The total number of bases conflicts with running total, Input: 70, Calculated : 294 SEQID(5)
Ε	253	The number of bases differs from <211> Input: 291 Calculated:294
Ε	201	Mandatory field data missing in <223> in SEQ ID (7)
W	112	Upper case found in data; Found at position(1122) SeqId(7)
Ε	259	Found undefined lettercode; POS (1124) SEQID(7)
W	112	Upper case found in data; Found at position(1125) SeqId(7)
Ε	259	Found undefined lettercode; POS (1127) SEQID(7)

Upper case found in data; Found at position(1128) SeqId(7)

## Input Set:

## Output Set:

		acazced: 2008-01-17 13:20:25.407
		Finished: 2008-01-17 13:20:35.219
		Elapsed: 0 hr(s) 0 min(s) 9 sec(s) 812 ms
		Total Warnings: 17
		Total Errors: 25
	No. o	f SeqIDs Defined: 21
	Ac	tual SeqID Count: 21
Em	or code	Error Description
Ε	259	Found undefined lettercode; POS (1130) SEQID(7)
w	112	Upper case found in data; Found at position(1131) SeqId(7)
Ε	259	Found undefined lettercode; POS (1134) SEQID(7)
W	112	Upper case found in data; Found at position(1134) SeqId(7)
W	112	Upper case found in data; Found at position(1137) SeqId(7)
E	259	Found undefined lettercode; POS (1139) SEQID(7)
Е	254	The total number of bases conflicts with running total, Input: 370, Calculated: 1140 SEQID(7)
Ε	253	The number of bases differs from <211> Input: 1122
Ε	201	Mandatory field data missing in <223> in SBQ ID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
Ε	224	<220>,<223> section required as <213> has Artificial sequence of Unknown in SEQID (11)
w	213	Artificial or Unknown found in <213> in SEQ ID (12)
Ε	224	<220>,<223> section required as <213> has Artificial sequence of Unknown in SEQID (12)
W	402	Undefined organism found in <213> in SEQ ID (13)
Ε	201	Mandatory field data missing in <223> in SEQ ID (13)
W	402	Undefined organism found in <213> in SEQ ID (15)
Е	201	Mandatory field data missing in <223> in SBQ ID (15)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
	E	ET - CODE  E 259 W 112 E 259 E 254 E 253 E 254 E 253 E 224 W 213 E 224 W 213 E 201 W 402 E

Started: 2008-01-17 13:20:25.407

Input Set:

Output Set:

Started: 2008-01-17 13:20:25.407

Finished: 2008-01-17 13:20:35.219

Artificial or Unknown found in <213> in SEO ID (21)

Elapsed: 0 hr(s) 0 min(s) 9 sec(s) 812 ms

Total Warnings: 17

Total Errors: 25

No. of SeqIDs Defined: 21
Actual SeqID Count: 21

W 213

Error code Error Description

W 213 Artificial or Unknown found in <213> in SEQ ID (20)

```
<110> SHINTANE et al.
<120> MEDICINAL USE OF MIP-3a INHIBITOR AND METHOD OF SCREENING BRAIN/MERVE CELL PROTECTIVE
AGENT
<130> 20039.0001USWO
<140> 10547532
<141> 2008-01-17
<150> PCT/JP2004/002774
<151> 2004-03-04
<150> JP 2003-056885
<151> 2003-03-04
<150> JP 2003-106247
<151> 2003-04-10
<160> 21
<170> PatentIn version 3.1
<210> 1
<211> 288
<212> DNA
<213> Homo sapiens
<220>
<221> CDS
<222> (1)..(288)
<223>
<220>
<221> sig_peptide
<222> (1)..(78)
<223>
<220>
<221> mat_peptide
<222> (79)..()
<223>
ato too tot acc and act tig oto otg oct get tig ato ton gto etc
                                                               48
Met Cys Cys Thr Lys Ser Leu Leu Leu Ala Ala Leu Met Ser Val Leu
                     -20
cta etc cac etc tge gge gaa tea gaa gea gea age aac ttt gae tge
                                                               96
Leu Leu His Leu Cys Gly Glu Ser Glu Ala Ala Ser Asn Phe Asp Cys
       -5 -1 1 5
tgt ctt gga tae aca gae ogt att ett eat eet aas ttt att gtg gge
                                                               144
Cys Leu Gly Tyr Thr Asp Arg Ile Leu His Pro Lys Phe Ile Val Gly
          10 15 20
tte aca egg eag etg gee aat gaa gge tgt gae ate aat get ate ate
                                                              192
```

SEQUENCE LISTING

```
Phe Thr Arg Gln Leu Ala Asn Glu Gly Cys Asp Ile Asn Ala Ile Ile
 25 30 35
tit cac aca ang ana mag tig tot gig tgo gon ant com ann cag act
                                                          240
Phe His Thr Lys Lys Lys Leu Ser Val Cys Ala Asn Pro Lys Gln Thr
                   45
tgg gtg ass tat att ete cet ete ete agt ass ass ete ase asc ate
                                                           288
Trp Val Lvs Tvr Ile Val Arg Leu Leu Ser Lvs Lvs Val Lvs Asn Met
<210> 2
<211> 96
<212> PRT
<213> Homo sapiens
<40.0> 2
Met Cvs Cvs Thr Lvs Ser Leu Leu Leu Ala Ala Leu Met Ser Val Leu
                 -20
                            -15
Leu Leu His Leu Cys Gly Glu Ser Glu Ala Ala Ser Asn Phe Asp Cys
                      -1 1
              -5
Cys Leu Gly Tyr Thr Asp Arg Ile Leu His Pro Lys Phe Ile Val Gly
        10 15 20
Phe Thr Arg Gln Leu Ala Asn Glu Gly Cys Asp Ile Asn Ala Ile Ile
     25 30 35
Phe His Thr Lys Lys Lys Leu Ser Val Cys Ala Asn Pro Lys Gln Thr
                  45
Trp Val Lvs Tyr Ile Val Arg leu Leu Ser Lvs Lys Val Lys Asn Met
                                 65
                60
<210> 3
<211> 288
<212> DNA
<213> Rattus norvegicus
<220>
<221> CDS
<222> (1)..(288)
<223>
<220×
<221> sig_peptide
<222> (1)..(75)
<223>
<220>
<221> mat_peptide
<222> (76)..()
<223>
atg gcc tgc aag cat ctg ccc ttc ctg gct ttg gcg ggg gta ctg ctg
                                                            48
Met Ala Cys Lys His Leu Pro Phe Leu Ala Leu Ala Gly Val Leu Leu
                                  -15
                -20
got tac oto tgo ago cag toa gaa goa goa ago aac tit gao tgo tgo
                                                            96
Ala Tyr Leu Cys Ser Glm Ser Glu Ala Ala Ser Asm Phe Asp Cys Cys
             -5 -1 1
ctc acq tac aca aaq aac qtq tat cat cat qcq aga aat ttt qtq qqt
                                                            144
Leu Thr Tvr Thr Lvs Asn Val Tvr His His Ala Arg Asn Phe Val Gly
```

```
tto ace ace cag atg goo gas got tgt gas att aut got ate ate
                                                              192
Phe Thr Thr Gln Met Ala Asp Glu Ala Cys Asp Ile Asn Ala Ile Ile
                    30
tit cae etq aaq teq aaa aga tee qiq tqe qet qae eea aaq eaq ate
                                                              240
Phe His Leu Lys Ser Lys Arg Ser Val Cys Ala Asp Pro Lys Gln Ile
                45
                                  50
tgg gtg aan agg att ttg cae etc etc age etu agu aec aug aug atg
                                                              288
Trp Val Lys Arg Ile low His low Low Ser Low Arg Thr Lys Lys Met
             60
                               65
<210> 4
<211> 96
<212> PRT
<213> Rattus norvegicus
<400> 4
Met Ala Cvs Lvs His Leu Pro Phe Leu Ala Leu Ala Glv Val Leu Leu
                -20
                            -15
Ale Tyr Leu Cys Ser Glm Ser Glm Ale Ale Ser Asn Phe Asn Cys Cys
             -5
                   -1 1 5
Leu Thr Tyr Thr Lys Asn Val Tyr His His Ala Arg Asn Phe Val Gly
       10
            15 20
Phe Thr Thr Glm Met Ala Asp Glu Ala Cys Asp Ile Asm Ala Ile Ile
                   30
                                      35
Phe His Leu Lys Ser Lys Arg Ser Val Cys Ala Asp Pro Lys Gln Ile
              45
                       50
Trp Val Lys Arg Ile Leu His Leu Leu Ser Leu Arg Thr Lys Lys Met
              60
                              65
<210> 5
<211> 291
<212> DNA
<213> Mus musculus
<220>
<221> CDS
<222> (1)..(291)
/223×
<220>
<221> sig peptide
<222> (1)..(81)
<223>
<220>
<221> mat_peptide
<222> (82)..()
<223>
atg gcc tgc ggt ggc aag cgt ctg ctc ttc ctt gct ttg gca tgg gta
Met Ala Cys Gly Gly Lys Arg Leu Leu Phe Leu Ala Leu Ala Trp Val
    -25
                  -20
                                   -15
ctg ctg get cae ete tge age cag gea gaa geu geu age aue tue gue
                                                               96
Leu Leu Ala His Leu Cys Ser Glm Ala Glu Ala Ala Ser Asm Tyr Asm
   -10
                     -5
                                   -1 1
```

```
tgt tgc ctc tog tac ata cag acg cct ctt cct toc aga gct att gtg
Cys Cys Leu Ser Tyr Ile Gln Thr Pro Leu Pro Ser Arg Ala Ile Val
              10
                                15
                                             20
got tic aca aga cag atg goc gat gas got tgt gac att aat got atc
                                                               192
Gly Phe Thr Arq Gln Met Ala Asp Glu Ala Cys Asp Ile Asn Ala Ile
                           30
ate tit cae acg aag aan aga aan tet gig ige get gat een aag eag
Ile Phe His Thr Lys Lys Arg Lys Ser Val Cys Ala Asp Pro Lys Gln
                         45
aac tog gtg aaa agg get gtg aac ete ete age eta aga gte aag aag
                                                               288
Asn Trp Val Lys Arg Ala Val Asn Leu Leu Ser Leu Arg Val Lys Lys
                    60
                                      65
atq
                                                               291
Met
<210> 6
<211> 97
<212> PRT
<213> Mus musculus
<400> 6
Met Ala Cys Gly Gly Lys Arg Leu Leu Phe Leu Ala Leu Ala Trp Val
      -25
                        -20
                                 -15
Leu Leu Ala His Leu Cvs Ser Glm Ala Glu Ala Ala Ser Asm Tvr Asm
                   -5 -1 1 5
Cvs Cvs Leu Ser Tvr Ile Gln Thr Pro Leu Pro Ser Arg Ala Ile Val
              10 15
Gly Phe Thr Azg Glm Met Ala Asp Glu Ala Cys Asp Ile Asm Ala Ile
                            30
Ile Phe His Thr Lys Lys Arg Lys Ser Val Cys Ala Asp Pro Lys Gln
                45
Asn Trp Val Lys Arg Ala Val Asn Leu Leu Ser Leu Arg Val Lys Lys
                    60
                                       65
Met
70
<210> 7
22115 1122
<212> DNA
<213> Homo sapiens
<220>
<221> CDS
<222> (1)..(1122)
<223>
<400> 7
atg age ggg gas tes atg ast the age gat git the gae tee agt gas
Mot Ser Gly Glu Ser Met Asm Phe Ser Asp Val Phe Asp Ser Ser Glu
1 5
gat tat tit gig toa gic aat act toa tat tac toa git gat tot gag
Asp Tyr Phe Val Ser Val Asm Thr Ser Tyr Tyr Ser Val Asp Ser Glu
          20
                    25
atg tta ctg tgc toc ttg cag gag gtc agg cag ttc tcc agg cta ttt
Met Leu Leu Cys Ser Leu Gln Glu Val Arg Gln Phe Ser Arg Leu Phe
       35
                         40
                                            45
```

	cog															192
Val	Pro 50	Ile	Ala	Tyr	Ser	Leu 55	Ile	Cys	Val	Phe	Gly 60	Leu	Leu	Gly	Asn	
att	cta	ert er	ata	nte	200		met		trat	2.24			-		nt-e	240
	Leu															240
65	200	****			70	. 100	1120		.,.	75	270		111.4	001	80	
	gac	ata	t at	ata			25.00				725	ato	nt n			288
	Asp															200
	mp	V 14.1	-71	85	200	~~	rucc	214	90	~14	Aug	110		95		
ctt	act	ctc	cca	ttc	tgg	gca	gtg	agt	cat	gec	act	ggt	gog	tgg	gtt	336
Leu	Thr	Leu	Pro	Phe	Txp	Ala	Val	Ser	Eis	Ala	Thr	Gly	Ala	Trp	Val	
			100					105					110			
ttc	age	aat	gee	acg	tge	aag	ttg	cta	aaa	gge	ato	tat	gee	atc	aac	384
Phe	Ser	Asn	Ala	Thr	Cys	Lys	Leu	Leu	Lys	Gly	Ile	Tyr	Ala	Ile	Asn	
		115					120					125				
ttt	aac	tge	ggg	atg	ctg	ata	ctg	act	tgo	att	ago	atg	gac	ogg	tac	432
Pho	Asn	Cys	Gly	Met	Leu	Lou	Leu	Thr	Cys	Ile	Ser	Met	Asp	Arg	Tyr	
	130					135					140					
ate	gcc	att	gta	cag	geg	act	aag	tea	ttc	cgg	ctc	cga	tee	aga	aca	480
Ile	Ala	Ile	Val	Gln	Ala	Thr	Lys	Ser	Phe	Arg	Leu	Arg	Ser	Arg	Thr	
145					150					155					160	
cta	cog	cgc	agc	aaa	atc	atc	tgc	ctt	gtt	gtg	tog	ggg	ctg	tca	gtc	528
Leu	Pro	Arg	Ser	Lys	Ile	Ile	Cys	Leu	Val	Val	Trp	Gly	Leu	Ser	Val	
				165					170					175		
ate	atc	tcc	age	tea	act	ttt	gte	tte	aac	caa	aaa	tac	aac	acc	caa	576
	Ile															
			180					185					190			
gge	ago	gat	gto	tgt	gaa	ccc	aag	tac	cag	act	gto	tog	gag	ccc	atc	624
Gly	Ser	Asp	Val	Cys	Glu	Pro	Lys	Tyr	Gln	Thr	Val	Ser	Glu	Pro	Ile	
		195					200					205				
agg	tgg	aag	ctg	ctg	atg	ttg	ggg	ctt	gag	cta	ctc	ttt	ggt	ttc	ttt	672
Arg	Trp	Lys	Leu	Leu	Met	Leu	Gly	Leu	Glu	Leu	Leu	Phe	Gly	Phe	Phe	
	210					215					220					
atc	cct	ttg	atg	tte	atg	ata	ttt	tgt	tac	acg	ttc	att	gto	aaa	acc	720
Ile	Pro	Leu	Met	Phe	Met	Ile	Phe	Cya	Tyr	Thr	Phe	Ile	Val	Lys	Thr	
225					230					235					240	
ttg	gtg	caa	gat	cag	aat	tet	ава	agg	cac	aaa	gcc	atc	ogt	gta	atc	768
Leu	Val	Gln	Ala	Gln	Asn	Ser	Lys	Arg	Eis	Lys	Ala	Ile	Arg	Val	Ile	
				245					250					255		
ata	gct	gtg	gtg	ctt	gtg	ttt	ctg	get	tgt	cag	att	cct	cat	aac	atg	816
Ile	Ala	Val	Val	Leu	Val	Phe	Leu	Ala	Cys	Gln	Ile	Pro	His	Asn	Met	
			260					265					270			
gtc	ctg	ctt	gtg	acg	get	gca	aat	ttg	ggt	333	atg	aac	oga	tcc	tgc	864
Val	Leu		Val	Thr	Ala	Ala		Leu	Gly	Lys	Met		${\tt Arg}$	Ser	Cys	
		275					280					285				
cag	age	gaa	aag	cta	att	gge	tat	acg	aaa	act	gto	aca	gaa	gte	ctg	912
Gln	Ser	Glu	Lys	Leu	Ile		Tyr	Thr	Lys	Thr	Val	Thr	Glu	Val	Leu	
	290					295					300					
	ttc															960
	Phe	Leu	His	Cya		Leu	Asn	Pro	Val		Tyr	Ala	Pho	Ile		
305					310					315					320	
	aag															1008
Gln	Lys	Phe	Arg		Tyr	Phe	Leu	Lys		Leu	Lys	Asp	Leu		Cys	
				325					330					335		
	aga															1056
Val	Arg	Arg		Tyr	Lys	Ser	Ser		Phe	Ser	Cys	Ala		Arg	Tyr	
			340					345					350			

ton gam and att tot ogg dag add agt gag add gos gat amd gad amt Ser Glu Asn Ile Ser Arg Gln Thr Ser Glu Thr Ala Asp Asn Asp Asn 355 360 geg teg tee tte act atg Ala Ser Ser Phe Thr Met <210> 8 <211> 374 <212> PRT <213> Homo sapiens <400> 8 Met Ser Gly Glu Ser Met Asn Phe Ser Asp Val Phe Asp Ser Ser Glu 1 5 10 15 App Tyr Phe Val Ser Val App Thr Ser Tyr Tyr Ser Val App Ser Glu 20 25 Met Leu Leu Cys Ser Leu Glm Glu Val Arg Glm Phe Ser Arg Leu Phe 40 Val Pro Ile Ala Tyr Ser Leu Ile Cys Val Phe Gly Leu Leu Gly Asn 50 55 60 Ile Leu Val Val Ile Thr Phe Ala Phe Tyr Lys Lys Ala Arg Ser Met Thr Asp Val Tyr Leu Leu Asm Met Ala Ile Ala Asp Ile Leu Phe Val 85 90 Leu Thr Leu Pro Phe Trp Ala Val Ser His Ala Thr Gly Ala Trp Val 100 105 110 Phe Ser Asm Ala Thr Cys Lys Leu Leu Lys Gly Ile Tyr Ala Ile Asm 115 120 Phe Asn Cys Gly Met Leu Leu Leu Thr Cys Ile Ser Met Asp Arg Tyr Ile Ala Ile Val Gln Ala Thr Lys Ser Phe Arg Leu Arg Ser Arg Thr 145 150 155 160 Leu Pro Arg Ser Lys Ile Ile Cys Leu Val Val Trp Gly Leu Ser Val 165 170 175 Ile Ile Ser Ser Ser Thr Phe Val Phe Asn Gln Lys Tyr Asn Thr Gln 180 185 190 Gly Ser Asp Val Cvs Glu Pro Lvs Tvr Gln Thr Val Ser Glu Pro Ile 195 200 Ard Tro Lvs Leu Leu Met Leu Glv Leu Glu Leu Leu Phe Glv Phe Phe Ile Pro Leu Met Phe Met Ile Phe Cys Tyr Thr Phe Ile Val Lys Thr 225 230 235 Leu Val Gln Ala Gln Asn Ser Lys Arg Eis Lys Ala Ile Arg Val Ile 245 250 255 Ile Ala Val Val Leu Val Phe Leu Ala Cys Gln Ile Pro His Asn Met 260 265 270 Val Leu Leu Val Thr Ala Ala Asn Leu Gly Lys Met Asn Arg Ser Cys 275 289 285 Gln Ser Glu Lys Leu Ile Gly Tyr Thr Lys Thr Val Thr Glu Val Leu Ala Phe Leu His Cys Cys Leu Asm Pro Val Leu Tyr Ala Phe Ile Gly 305 310 315 320 Gln Lys Phe Arg Asn Tyr Phe Leu Lys Ile Leu Lys Asp Leu Trp Cys 325 330 335 Val Arg Arg Lys Tyr Lys Ser Ser Gly Phe Ser Cys Ala Gly Arg Tyr 340 345

1122

370

```
Ser Glu Asn Ile Ser Arg Gln Thr Ser Glu Thr Ala Asp Asn Asp Asn
  155 360 365
Ala Ser Ser Phe Thr Met
  370
<210> 9
<211> 1101
<212> DNA
<213> Mus musculus
<220>
<221> CDS
<222> (1)..(1101)
<2233>
<400> 9
atg eat too ace gag too tag tit ggs acg gat gat tat gag acc ace
                                                               48
Met Asn Ser Thr Glu Ser Tvr Phe Glv Thr Asp Asp Tvr Asp Asn Thr
gag tat tat tot att oot oom ged omt ggg oom tgc too ote gem geg
                                                               96
Glu Tyr Tyr Ser Ile Pro Pro Asp His Gly Pro Cys Ser Leu Glu Glu
          20
                           25
                                              30
gto aga aac tto acc aag gta ttt gtg coa att goo tac too tta ata
                                                               144
```

Val Arg Asn Phe Thr Lys Val Phe Val Pro Ile Ala Tyr Ser Leu Ile 35 40 45 tgt gto ttt ggo oto otg ggo aac att atg gtg gtg atg aco ttt goo Cvs Val Phe Gly Leu Leu Gly Asn Ile Met Val Val Met Thr Phe Ala

tto tac aag aaa goo aga too atg act gac gto tac ctg ttg aac atg Phe Tyr Lys Lys Ala Arg Ser Met Thr Asp Val Tyr Leu Leu Asm Met 67 75 75 90 goo atc aca gac ata ctc ttt gto ctc acc cts cog tto tgg goa gtt 240

55

50

Ala Ile Thr